

Section II - Soil and Site Information

Hydric Soil Interpretations For

Definition of Hydric Soil

A hydric soil is a soil that is saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part. The following criteria reflect those soils that meet this definition.

Wetlands represent the collection of aquatic or semi aquatic habitats commonly referred to as marshes, swamps, and bogs. The U.S. Natural Resources Conservation Service, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency define wetlands by the presence of wetland vegetation (hydrophytes) and hydrology (degree of flooding and/or soil saturation) and by reference to wet soils (hydric soils). The prevalence of hydrophytes and the presence of wet soil reflect the long-term hydrology and therefore, are useful indicators of wetland. Some of the benefits of wetlands include, waterfowl breeding, habitat for waterfowl and other birds, flood control, water quality, shoreline stabilization and others.

If wetlands are identified as a critical resource, then a good first step would be to inventory the extent of hydric soils that were mapped in a soil survey.

It is important to remember that because of map scale very small areas of hydric soils are often not shown on the soil survey. The soil survey provides a general location of hydric soils; however, it is necessary that the exact wetland boundary be located in the field. When the boundary is not clear, consult with technical experts. The publications Hydric soils of New England and Federal Manual for Identifying and Delineating Jurisdictional Wetlands provide a more detailed discussion on hydric soils as well as on-site identification of wetland boundaries. Other sources of wetland information are the U.S. Fish and Wildlife Service, National Wetland Inventory Maps and the Maine Department of Environmental Protection Inland Wetland Maps.

Hydric Soil List

Hydric soils are developed under conditions sufficiently wet to support the growth and regeneration of hydrophytic vegetation. The listing available below includes phases of soil series that may or may not have been drained. Some soil series, designated as hydric, have phases that are not hydric depending on water table, flooding, and ponding characteristics.

The list will have a number of agricultural and nonagricultural applications. These include assistance in land-use planning, conservation planning, and assessment of potential wildlife habitat. An area that meets the hydric soil criteria must also meet the hydrophytic vegetation and wetland hydrology criteria in order for it to be classified as a jurisdictional wetland (See the "Corps of Engineers Wetlands Delineation Manual", 1987).

Hydric Soils List

Piscataquis County, Maine, Southern Part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
AdB: Adams loamy fine sand, 0 to 8 percent slopes	Adams	No	---	---	---	---	---
AEC: Adams loamy fine sand, strongly sloping	Adams	No	---	---	---	---	---
AFD: Adams-allagash complex, hilly	Adams	No	---	---	---	---	---
	Allagash	No	---	---	---	---	---
AgB: Allagash very fine sandy loam, 0 to 8 percent slopes	Allagash	No	---	---	---	---	---
AgC: Allagash very fine sandy loam, 8 to 15 percent slopes	Allagash	No	---	---	---	---	---
AHC: Allagash-adams complex, strongly sloping	Allagash	No	---	---	---	---	---
	Adams	No	---	---	---	---	---
BeB: Berkshire fine sandy loam, 3 to 8 percent slopes, very stony	Berkshire	No	---	---	---	---	---
BFC: Berkshire-lyman association, strongly	Berkshire	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
BFD: Berkshire-lyman association, moderately	Berkshire	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
BhB: Boothbay silt loam, 3 to 8 percent slopes	Boothbay	No	---	---	---	---	---
BOB: Boothbay-swanville association, gently sloping	Boothbay	No	---	---	---	---	---
	Swanville	Yes	Marine Terrace	2B3	Yes	No	No
BP: Brayton-peacham association, extremely	Brayton	Yes	Ground Moraine	2B3	Yes	No	No

Hydric Soils List - Continued

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
BP: Brayton-peacham association, extremely	Peacham	Yes	Ground Moraine	2B3,3	Yes	No	Yes
CC: Charles-cornish-wonsqueak complex	Charles	Yes	Flood Plain	2B3	Yes	No	No
	Cornish	No	---	---	---	---	---
	Wonsqueak	Yes	Swamp	1,4	No	Yes	No
CeB: Chesuncook silt loam, 3 to 8 percent slopes	Chesuncook	No	---	---	---	---	---
CeC: Chesuncook silt loam, 8 to 15 percent slopes	Chesuncook	No	---	---	---	---	---
CFD: Chesuncook-elliottsville-telo s association, moderately steep, very stony	Chesuncook	No	---	---	---	---	---
	Elliottsville	No	---	---	---	---	---
	Telos	No	---	---	---	---	---
CHD: Chesuncook-telos association, moderately steep, very stony	Chesuncook	No	---	---	---	---	---
	Telos	No	---	---	---	---	---
CoB: Colonel gravelly fine sandy loam, 3 to 8 percent slopes	Colonel	No	---	---	---	---	---
CPB: Colonel-brayton-dixfield association, gently sloping, very stony	Colonel	No	---	---	---	---	---
	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
	Dixfield	No	---	---	---	---	---
CQB: Colonel-brayton-lyman complex, undulating, very stony	Colonel	No	---	---	---	---	---
	Brayton	Yes	Ground Moraine	2B3	Yes	No	No
CRC: Colonel-hermon complex, rolling, extremely bouldery	Colonel	No	---	---	---	---	---

Hydric Soils List - Continued

Piscataquis County, Maine, Southern Part

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
CRC: Colonel-hermon complex, rolling, extremely bouldery	Hermon	No	---	---	---	---	---
CsB: Cornish-charles-fryeburg complex, 0 to 8 percent slopes	Cornish	No	---	---	---	---	---
	Charles	Yes	Flood Plain	2B3	Yes	No	No
	Fryeburg	No	---	---	---	---	---
Cv: Cornish-lovewell complex	Cornish	No	---	---	---	---	---
	Lovewell	No	---	---	---	---	---
DaB: Danforth channery silt loam, 3 to 8 percent slopes	Danforth	No	---	---	---	---	---
DBC: Danforth channery silt loam, strongly sloping, very	Danforth	No	---	---	---	---	---
DBD: Danforth channery silt loam, moderately steep,	Danforth	No	---	---	---	---	---
DEC: Danforth-masardis-peacham association, rolling, very stony	Danforth	No	---	---	---	---	---
	Masardis	No	---	---	---	---	---
	Peacham	Yes	Ground Moraine	2B3,3	Yes	No	Yes
DfB: Dixfield fine sandy loam, 3 to 8 percent slopes	Dixfield	No	---	---	---	---	---
DXC: Dixfield-colonel association, strongly sloping, very	Dixfield	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
DYC: Dixfield-colonel-lyman association, strongly sloping, very stony	Dixfield	No	---	---	---	---	---
	Colonel	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---

Hydric Soils List - Continued

Piscataquis County, Maine, Southern Part

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
EcB: Elliottsville-chesuncook complex, 3 to 8 percent slopes	Elliottsville	No	---	---	---	---	---
	Chesuncook	No	---	---	---	---	---
EMC: Elliottsville-monson complex, strongly sloping,	Elliottsville	No	---	---	---	---	---
	Monson	No	---	---	---	---	---
EMD: Elliottsville-monson complex, moderately steep,	Elliottsville	No	---	---	---	---	---
	Monson	No	---	---	---	---	---
END: Enchanted very gravelly silt loam, moderately steep, extremely stony	Enchanted	No	---	---	---	---	---
ENE: Enchanted very gravelly silt loam, very steep, extremely stony	Enchanted	No	---	---	---	---	---
Fr: Fryeburg silt loam	Fryeburg	No	---	---	---	---	---
HoB: Howland silt loam, 3 to 8 percent slopes	Howland	No	---	---	---	---	---
HRB: Howland-monarda association, gently sloping, very stony	Howland	No	---	---	---	---	---
	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
LAD: Lyman-abram complex, moderately steep, very	Lyman	No	---	---	---	---	---
	Abram	No	---	---	---	---	---
LAE: Lyman-abram complex, very steep, very stony	Lyman	No	---	---	---	---	---
	Abram	No	---	---	---	---	---
LTD: Lyman-tunbridge complex, moderately steep, very	Lyman	No	---	---	---	---	---

Hydric Soils List - Continued

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
LTD: Lyman-tunbridge complex, moderately steep, very	Tunbridge	No	---	---	---	---	---
LTE: Lyman-tunbridge complex, steep, very stony	Lyman	No	---	---	---	---	---
	Tunbridge	No	---	---	---	---	---
MaC: Marlow fine sandy loam, 8 to 15 percent slopes	Marlow	No	---	---	---	---	---
MDD: Marlow-dixfield association, moderately steep, very	Marlow	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
MLE: Marlow-lyman-berkshire association, steep, very	Marlow	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
	Berkshire	No	---	---	---	---	---
MND: Marlow-lyman-dixfield association, moderately steep, very stony	Marlow	No	---	---	---	---	---
	Dixfield	No	---	---	---	---	---
	Lyman	No	---	---	---	---	---
MrB: Masardis gravelly fine sandy loam, 0 to 8 percent	Masardis	No	---	---	---	---	---
MSC: Masardis gravelly fine sandy loam, strongly	Masardis	No	---	---	---	---	---
MTE: Masardis-adams complex, steep	Masardis	No	---	---	---	---	---
	Adams	No	---	---	---	---	---
MvB: Monarda silt loam, 0 to 8 percent slopes	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
MW: Monarda-burnham association, very stony	Monarda	Yes	Ground Moraine	2B3	Yes	No	No

Hydric Soils List - Continued

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Criteria Code	Hydric Soils Criteria		
					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
MW: Monarda-burnham association, very stony	Burnham	Yes	Ground Moraine	2B3,3	Yes	No	Yes
MXB: Monarda-howland-thorndike complex, undulating, very stony	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
	Howland	No	---	---	---	---	---
	Thorndike	No	---	---	---	---	---
MYD: Monson-elliottsville-ricker complex, moderately steep, very stony	Monson	No	---	---	---	---	---
	Elliottsville	No	---	---	---	---	---
	Ricker	No	---	---	---	---	---
MYE: Monson-elliottsville-ricker complex, steep, very stony	Monson	No	---	---	---	---	---
	Elliottsville	No	---	---	---	---	---
	Ricker	No	---	---	---	---	---
PeB: Penquis-plaisted complex, 3 to 8 percent slopes	Penquis	No	---	---	---	---	---
	Plaisted	No	---	---	---	---	---
PeC: Penquis-plaisted complex, 8 to 15 percent slopes	Penquis	No	---	---	---	---	---
	Plaisted	No	---	---	---	---	---
PFC: Penquis-plaisted-berkshire complex, rolling, very stony	Berkshire	No	---	---	---	---	---
	Penquis	No	---	---	---	---	---
	Plaisted	No	---	---	---	---	---
PhB: Penquis-thorndike complex, 3 to 8 percent slopes	Penquis	No	---	---	---	---	---
	Thorndike	No	---	---	---	---	---
PhC: Penquis-thorndike complex, 8 to 15 percent slopes	Penquis	No	---	---	---	---	---

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					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
PhC: Penquis-thorndike complex, 8 to 15 percent slopes	Thorndike	No	---	---	---	---	---
Ps: Pits, sand and gravel	Pits	No	---	---	---	---	---
PtB: Plaisted silt loam, 3 to 8 percent slopes	Plaisted	No	---	---	---	---	---
PtC: Plaisted silt loam, 8 to 15 percent slopes	Plaisted	No	---	---	---	---	---
PWC: Plaisted-howland-penquis association, strongly sloping, very stony	Howland	No	---	---	---	---	---
	Plaisted	No	---	---	---	---	---
	Penquis	No	---	---	---	---	---
PWD: Plaisted-penquis-howland association, moderately steep, very stony	Penquis	No	---	---	---	---	---
	Plaisted	No	---	---	---	---	---
	Howland	No	---	---	---	---	---
ROD: Ricker-rock outcrop complex, moderately steep	Ricker	No	---	---	---	---	---
	Rock Outcrop	No	---	---	---	---	---
SRD: Saddleback-ricker complex, moderately steep, very	Saddleback	No	---	---	---	---	---
	Ricker	No	---	---	---	---	---
SRE: Saddleback-ricker complex, steep, very stony	Saddleback	No	---	---	---	---	---
	Ricker	No	---	---	---	---	---
SUD: Surplus fine sandy loam, moderately steep, extremely stony	Surplus	No	---	---	---	---	---
Sv: Swanville silt loam	Swanville	Yes	Marine Terrace	2B3	Yes	No	No

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					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
SW: Swanville-wonsqueak association	Swanville	Yes	Marine Terrace	2B3	Yes	No	No
	Wonsqueak	Yes	Swamp	1	No	No	No
TeB: Telos silt loam, 3 to 8 percent slopes	Telos	No	---	---	---	---	---
THC: Telos-chesuncook association, strongly sloping, very stony	Telos	No	---	---	---	---	---
	Chesuncook	No	---	---	---	---	---
TLC: Telos-chesuncook-elliottsvill e association, strongly sloping, very stony	Telos	No	---	---	---	---	---
	Chesuncook	No	---	---	---	---	---
	Elliottsville	No	---	---	---	---	---
TMB: Telos-monarda association, gently sloping, very stony	Telos	No	---	---	---	---	---
	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
TNB: Telos-monarda-monson complex, undulating, very stony	Telos	No	---	---	---	---	---
	Monarda	Yes	Ground Moraine	2B3	Yes	No	No
	Monson	No	---	---	---	---	---
ToC: Thorndike-abram complex, 8 to 15 percent slopes	Thorndike	No	---	---	---	---	---
	Abram	No	---	---	---	---	---
TRC: Thorndike-abram complex, rolling, very stony	Thorndike	No	---	---	---	---	---
	Abram	No	---	---	---	---	---
TSC: Thorndike-penquis complex, rolling, very stony	Thorndike	No	---	---	---	---	---
	Penquis	No	---	---	---	---	---

Hydric Soils List - Continued

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					Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
TtB: Thorndike-penquis-abram complex, 3 to 8 percent slopes	Thorndike	No	---	---	---	---	---
	Penquis	No	---	---	---	---	---
	Abram	No	---	---	---	---	---
UpB: Urban land-penquis-plaisted complex, 0 to 8 percent slopes	Urban Land	No	---	---	---	---	---
	Penquis	No	---	---	---	---	---
	Plaisted	No	---	---	---	---	---
WB: Wonsqueak and bucksport soils	Wonsqueak	Yes	Swamp	1	No	No	No
	Bucksport	Yes	Swamp	1,3	No	No	Yes